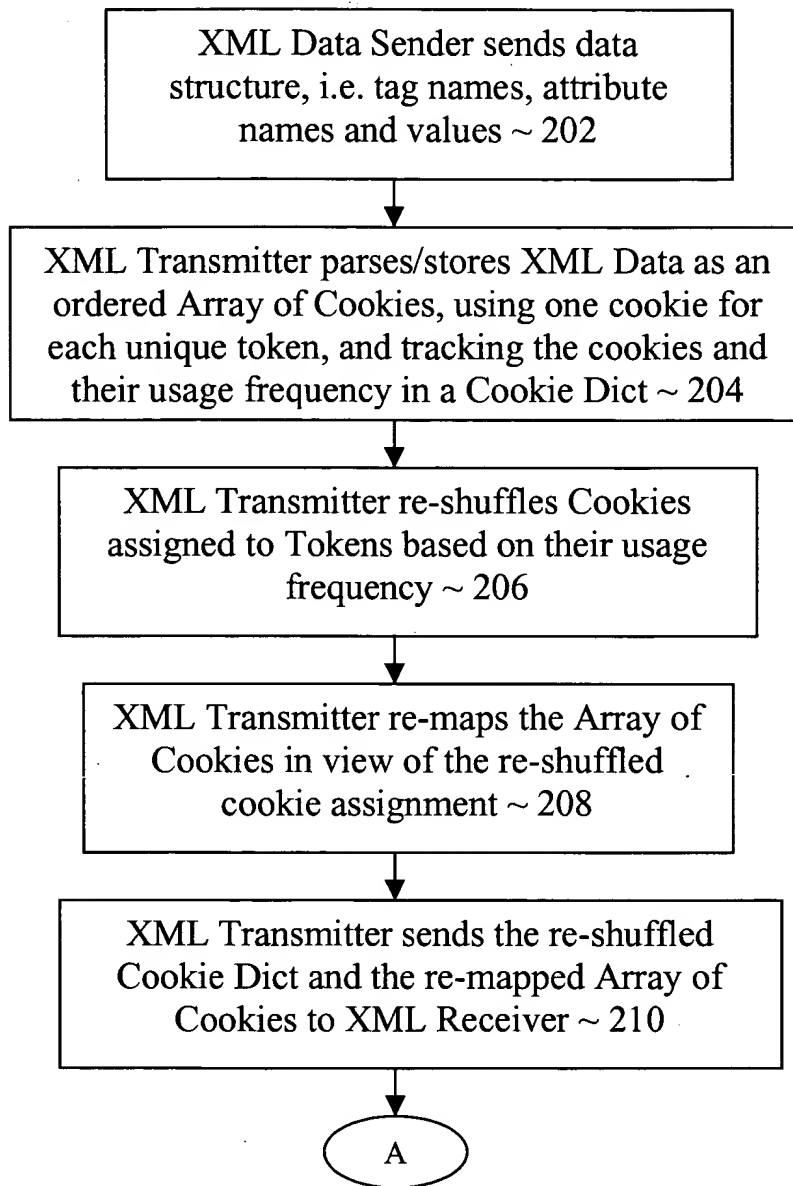


**Figure 1**



**Figure 2a**

A



XML Receiver receives and saves the re-shuffled Cookie Dict and the re-mapped Array of Cookies ~ 212



XML Receiver sends XML Data, i.e. tag names, attribute names & values, to Data Recipient ~ 214

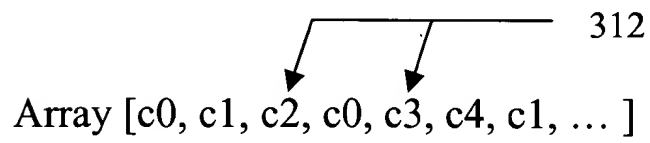
**Figure 2b**

300

Cookies ~ 302	Tokens ~ 304	Usage Frequency ~ 306

**Figure 3a**

310



**Figure 3b**

400

```
<Employees>
  <Employee ID="1" Title="Software Engineer">Alex
    Rodriguez</Employee>
  <Employee ID="2" Title="Software Engineer">Jay
    Buner</Employee>
  <Employee ID="3" Title="Software Engineer">Mike
    Cameron</Employee>
</Employees>
```

**Figure 4a**

402

```
"<", "Employees", ">", "<", "Employee" "ID" "="
  "1"
```

**Figure 4b**

404

<u>Cookie</u>	<u>Tokens</u>	<u>Frequency</u>
0	"<"	(4)
1	"Employees"	(1)
2	">"	(8)
3	"Employee"	(3)
4	"</"	(4)
5	"ID"	(3)
6	"="	(6)
7	"1"	(1)
8	"Title"	(3)
9	"Software Engineer"	(3)
...		

**Figure 4c**

406

Array[] = { 0, 1, 2, 0, 3, 5, 6, ... }

**Figure 4d**

408

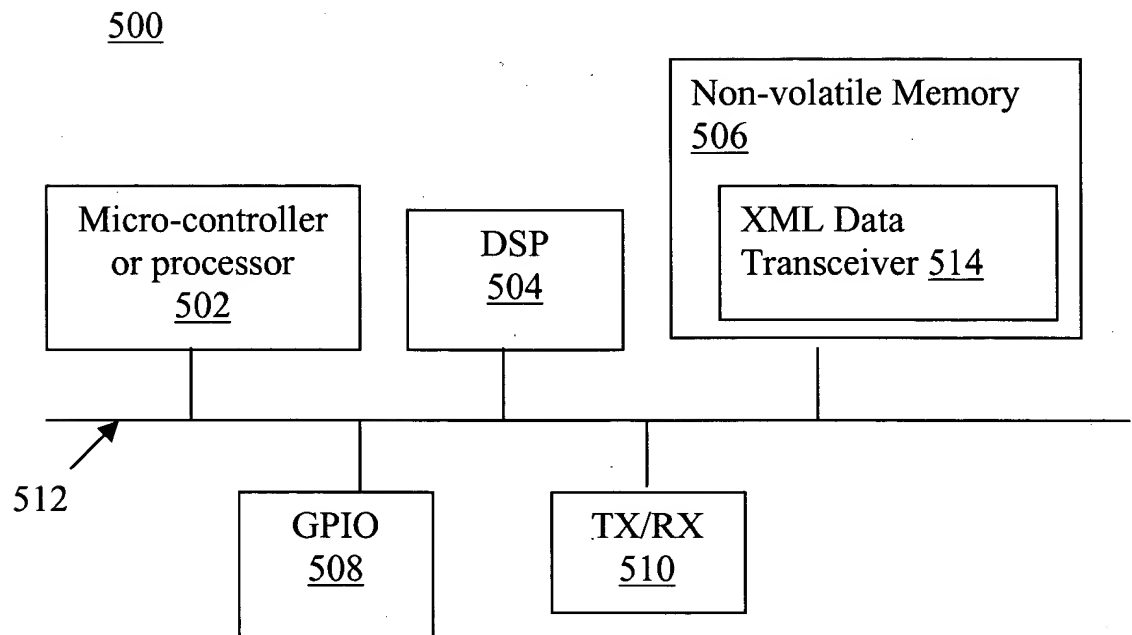
<u>Cookie</u>	<u>Tokens</u>	<u>Frequency</u>
1	">"	(8)
2	"="	(6)
3	"Employee"	(6)
4	"<"	(4)
5	"</"	(4)
6	"ID"	(3)
7	"Software Engineer"	(3)
8	"Title"	(3)
9	"Employees"	(2)
10	"1"	(1)
...		

**Figure 4e**

410

Array[] = { 4, 8, 1, 4, 3, 6, 10, 8, 7, ... }

**Figure 4f**



**Figure 5**